

allows a user to selectively position the turret head 20 within the system board 11, so as to run tubing from the hose barbs. An arrow 27 on top of the turret head 20 provides a direction arrow of the fluid flow. Having the arrow 27 on the package itself makes it easy for an installer to see the direction of fluid flow within the computer as installed. Within the tight confines where a system board is disposed, the rotatable exchanger provides for easy access of the tubing to the heat exchanger from any user-selected direction.

Please replace the paragraph beginning at page 8, line 28, with the following rewritten paragraph:

Barb  
unit

Cooling fluid is introduced into the inlet conduit 76 of the exchanger 24 through the tubing and hose barbs, see Figure 5. The fluid travels laterally through the inlet conduit to the center portion of the cylindrical turret head 20 then turns at a right angle and travels downward through a vertical portion of the inlet conduit. The fluid exits the inlet conduit through the inlet aperture 72, centered over the center of the fin plate 22 as shown in Figure 6, and impinges on a central region 65 of the fin plate. Once the fluid impinges or impacts on the fluid plate, it makes a sharp bend, 90°, and spreads outward, in a generally radial direction, from the central region 65 toward the annular wall 32 of the fin plate, with substantially even distribution, through the flow channels defined by the fins 52, 54. The fluid direction thus changes dramatically from an average downward velocity after exiting the inlet aperture, to an average lateral velocity transverse to the downward velocity. This sudden change in direction generates highly turbulent flow. The turbulence generated has the advantage of increasing convection as well as lowering the boundary layer thickness of the fluid on the fins 52, 54, as well as other walls within the heat exchanger that are in communication with the fluid. These effects all contribute to a higher overall heat transfer coefficient for the heat exchanger 24.

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In the Claims:

For the convenience of the Examiner, all pending claims have been included.

Please amend claims 1 and 29 to read as follows: